

## Twelfth Annual Pollution Prevention Conference

The 2004 Pollution Prevention (P2) conference was held on September 21, 2004, at Holloway Commons in Durham, New Hampshire. There were approximately 120 pollution prevention minded individuals in attendance representing both private and public sectors. Ihab Farag, of the UNH chemical engineering program, welcomed the audience and introduced the EPA Region I representative, who spoke about pollution prevention in New England. DES Commissioner Michael Nolin also welcomed the group and read a letter from Governor Benson, who was unable to attend the event.

Commissioner Nolin and Tony Giunta, DES Waste Management Division Director, announced the Governor's Awards for Pollution Prevention. There were three winners of this year's award: Millipore Corporation in Jaffrey, the City of Keene, and Freudenberg-NOK General Partnership in Bristol. Additionally, there were three honorable mention winners: Keene Housing Authority (not affiliated with the City of Keene), Osram-Sylvania Products Inc. of Hillsboro, and the Amherst Department of Public Works.



*Commissioner Nolin reads a letter from Governor Benson at the 2004 Pollution Prevention Conference in Durham.*

Sessions held throughout the day provided information for staying in compliance, integrating pollution prevention into business goals, managing and knowing chemistry, and the role of human resources in homeland security. At noon, Retired Colonel Badolato gave the keynote address, entitled "Homeland Security and Preventing Pollution from Attack on Critical Waterside Infrastructures."

Look for the Eleventh Annual Governor's Award for Pollution Prevention application brochure in April 2005. If you missed this year's conference, we hope to see you next September!

*More on the Governor's Award winners inside!*

### INSIDE THIS ISSUE

This edition of *Wastelines* is dedicated in honoring the recipients of the many P2 awards that have been received and presented during the last few months.

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## Winners of the 2004 Governor's Award for Pollution Prevention

### City of Keene

In 2000, Keene was the first municipality in New Hampshire to voluntarily join the Cities for Climate Protection campaign (CCP). CCP's goal is to combat climate change, so Keene officials have been looking for various ways to reduce their greenhouse gas emissions. As part of this initiative, the City of Keene has implemented a variety of energy and cost-saving programs. The city installed a geothermal heat pump in a newly purchased building to replace an older heating unit. It also initiated public forums and workshops to get the community involved in creating a local action plan.

The following pollution prevention projects are the results of the approved plan.

- In 2002, the city's fleet services replaced diesel fuel with a blend of diesel and vegetable oil, which saved 50,000 gallons of fuel in 18 months and eliminates 417 tons of carbon dioxide per year from being produced.
- The police department installed LED lights in its traffic signals, which use 80-90 percent less energy than incandescent bulbs and require one-sixth of the maintenance of incandescent bulbs, saving on labor costs. The police department also implemented a "Police on Bikes" program, which replaces cruisers 25 percent of the time. The program eliminates six tons of carbon dioxide per year and saves the city \$800 per year in gasoline.

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[www.des.nh.gov/nhppp](http://www.des.nh.gov/nhppp)

The New Hampshire Pollution Prevention Program is a free, confidential, non-regulatory, technical and compliance assistance program for New Hampshire businesses, municipalities and others. The NHPPP maintains an information clearinghouse, conducts on-site pollution prevention opportunity assessments, provides pollution prevention planning assistance, and organizes conferences and workshops.



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From left to right: Christa Koehler, Planner for the City of Keene; Michael Nolin, DES Commissioner; Steven Russell, City of Keene Fleet Services Superintendent; and Tony Giunta, DES Waste Management Division Director.

### Governor's Award for Pollution Prevention

The Governor's Award for Pollution Prevention recognizes New Hampshire businesses and organizations that have successfully reduced or eliminated wastes at the source. If you are interested in learning more about the Governor's Award visit [www.des.nh.gov/ppp/GovAward/](http://www.des.nh.gov/ppp/GovAward/), call the New Hampshire Pollution Prevention Program at 1-800-273-9469 or email us at [nhppp@des.state.nh.us](mailto:nhppp@des.state.nh.us).



## Winners of the 2004 Governor's Award for Pollution Prevention

### Freudenberg-NOK General Partnership

Freudenberg-NOK General Partnership (NOKGP) in Bristol manufactures metal and rubber components used primarily in the auto industry to make oil seals. This ISO 14001 certified company was awarded the Governor's Award for its "Chemical Management for Metal Treatment" project. By careful observation and scrutiny of the chemical management of its metal treatment process, Freudenberg-NOK realized that more oil than needed was used for the stamping of the metal.

- The company reduced its stamp oil usage by 70 percent by utilizing a new technology that eliminated the chemicals needed to remove the oil at the end of the process.
- The company was also able to consolidate two metal treatment locations into one,



*From left to right: Ken Hasson, Analytical Chemist; Phil Mathews, Metal Stamp Manager; Dean Laughy, Six Sigma Master Black Belt; Cheryl Connolly, Senior Lab Analyst; Steve Lacasse, Senior Process Engineer; Greg Keenan, General Manager for Freudenberg-NOK Components Group; Dung Nygen, Senior Process Engineer; William Boehmer, Business Unit Leader; and Colleen Cook, Regional Coordinator for Corporate Health, Safety and Environment.*

and combine three machines into one, while increasing their overall metal production by 80 percent.

- Overall, the project elimi-

nated the use of over 67,000 gallons of chemicals per year, and saved the company \$300,000 per year.



*From left to right: Tony Giunta, DES Waste Management Division Director; Steven Dark, Environmental Health and Safety Manager; Michael Nolin, DES Commissioner; and Chris Barreli, Plant Manager.*

### Millipore Corporation

Millipore manufactures filtration devices that are used for high technology and high purity applications in pharmaceutical, biotechnology and life science industries. This ISO 14001 certified company has won the Governor's Award in 1999 and 2001, and honorable mentions in 2000 and 2002.

The winning initiative was the completion of a large-scale water reuse project.

- The project will save the company 14 million gallons of water in a 17-month period, saving the company \$86,000 per year!



# Winners of the 2004 Governor's Award for Pollution Prevention

## 2004 Governor's Award Honorable Mentions

### **Town of Amherst, Department of Public Works – Amherst**

Initiated a major energy reduction project made possible through a grant from Public Service of New Hampshire. Total energy saved is 68,000 kWh per year.

### **Osram-Sylvania Products, Inc. – Hillsboro**

Osram-Sylvania's conservation initiative focused on three areas: water, electricity and nitrogen. The company will save over \$140,000 a year by the initiation of these this projects.

### **Keene Housing Authority – Keene**

Keene Housing Authority's project focused on water conservation, energy conservation and education of its tenants in conservation techniques. The project will save over \$110,000 a year. (Keene Housing Authority is not affiliated with the City of Keene.)

## The Governor's Award Application Process: How Winners Are Selected

### **Who Chooses?**

After the P2 program receives the applications for the Governor's Award, the applications are copied and sent out to a highly qualified panel of judges. Judges are selected for their knowledge of pollution prevention, experience with manufacturing, and familiarity with going above and beyond what the environmental laws require. Many of the judges participate in this event year after year. No DES staff participates on the judges panel.

The judges have two weeks to review the applications and then convene at DES to discuss and debate which applications best demonstrate pollution prevention activities.

### **The Final Step Before Announcing the Winners**

After the judges have made their decisions, all of the winning applications must pass an environmental compliance screening. Compliance experts from EPA Region I and DES conduct research on the winning businesses to make sure these companies do not have any recent environmental violations. If environ-

mental violations are found, the company is disqualified.

All applicants are notified by mail of the judges' decisions after the regulatory check is complete. Winners are honored in the presence of their peers, EPA and state officials at the annual P2 conference.



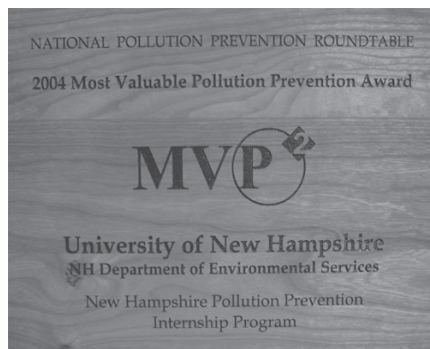
*2004 Governor's Award for Pollution Prevention Judges: (front row) Ron Tetu, Andrea O'Brien and Mark Touissaint. (back row) Rob Guillemain, Brent Clement, Eric Swope and Art Cunningham).*

# NH Pollution Prevention Internship Program receives award from the National Pollution Prevention Roundtable

*NEWMOA's Terri Goldberg named Volunteer of the Year by P2 Roundtable*

The New Hampshire Pollution Prevention Internship Program has received recognition from the National Pollution Prevention Roundtable (NPPR). The Roundtable presented its Eighth Annual Most Valuable Pollution Prevention Awards as part of Pollution Prevention (P2) Week at the end of September. At the same time, Terri Goldberg of the Northeast Waste Management Officials' Association (NEWMOA) was presented with NPPR's Volunteer of the Year Award. DES is a member of NEWMOA and applauds the selection of Ms. Goldberg for this award.

DES worked on a collaborative basis with The University of New Hampshire and EPA Region 1 to create the N.H. Pollution Prevention Internship Program in 1995. Through this program we have been able to combine effort through businesses, academia, and government to increase the level of awareness and acceptance of pollution prevention in the state of New Hampshire. Not only do the companies gain from reduced waste and cost savings, but students are afforded the ability to learn about new pollution prevention approaches, and the N.H. Pollution Prevention Internship Program gains information about new pollution prevention technical practices that it can share with other companies. To date, nearly 100 students and 50 facilities have benefited from this program. The



*The 2004 MVP2 Award.*

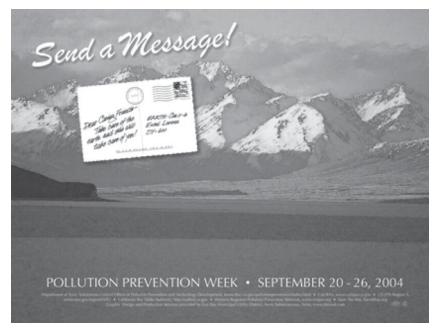
facilities have not only achieved significant improvements in environmental compliance but have also saved more than \$3 million a year.

"The success of the P2 Internship Program is in part due to the training the students receive prior to their internship assignment," noted Sara Johnson, DES coordinator of the P2 Internship Program. "Trainers are from DES, EPA and New Hampshire businesses, and they cover regulations as well as pollution prevention opportunities. But, more importantly, the trainers cover how to review a manufacturing process to discover where and why the waste is being generated, and how to research ways to reduce or eliminate those wastes. We have found it to be a consistent win-win situation for all concerned."

Terri Goldberg received the 2004 Volunteer of the Year Award, the most prestigious individual award NPPR bestows. Goldberg was honored for her work with NEWMOA for more than 15 years as an advocate to help states implement pollution

prevention programs and measure their achievements. She has contributed to many of the P2 successes New England companies have achieved over the past 10 years where they have reported a reduction in waste, air emissions, and wastewater pollutants by 4.6 billion pounds and \$8 million saved.

NPPR is the largest membership organization in the United States devoted solely to pollution prevention. NPPR acts as a window on the P2 community. The mission of the Roundtable is to provide a national forum for promoting the development, implementation, and evaluation of efforts to avoid, eliminate, or reduce pollution at the source, i.e., source reduction instead of traditional end-of-pipe methods. For more information about the Roundtable or the MVP2 Awards and the winners, please visit their website at [www.p2.org/p2week/2004Winners.cfm](http://www.p2.org/p2week/2004Winners.cfm), and for more information about the N.H. Pollution Prevention Program or Internship, please call Sara Johnson at (603) 271-6460.



*The National Pollution Prevention Roundtable's 2004 P2 Week poster.*



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## Dates to Remember

**February 24, 2005**

**New Hampshire Marina Workshop**

Department of Environmental Services  
29 Hazen Drive  
Concord, NH  
nhppp@des.state.nh.us  
www.des.nh.gov/nhppp

**April 19-21, 2005**

**Safety and Health Council of Northern  
New England Annual Conference**

Center of New Hampshire  
Manchester, NH  
lymanc@shcnne.org  
www.shcnne.org/conference.html



*Attendees at the recent Annual Pollution Prevention Conference in Durham listen to opening remarks.*

**May 25, 2005**

**Pollution Prevention Hazardous Waste Coordinator Training**

Littleton, NH  
sfrancesco@des.state.nh.us  
www.des.nh.gov/hwcs/HWCCert/